

**TOPOGRAPHIC SURVEY CONTROL POINT RECORD**

STATION LONG NAME	MU25
STATION NUMBER	MU25
4 CHAR ID	MU25
COUNTRY	IRAQ
LOCATION	AS SAMAWAH
SURVEYING AGENCY	IGRS
DATE (OF DESCRIPTION)	04 JULY 2005

CONTENTS	YES	NO	NO OF PAGES
FIELD COORDINATE VALUES	X		1
OFFICE COORDINATE VALUES	X		1
STATION MONUMENT & SITE DETAILS	X		1
STATION DIAGRAM	X		1
ACCESS MAP	X		1
ACCESS DESCRIPTION	X		1
APPROACH PHOTOGRAPHS	X		1
CARDINAL POINT PHOTOGRAPHS	X		2

**RECORD OF VISITS**

DATE OF VISIT	NAME	UNIT	REMARKS

**ADDITIONAL DETAILS/ENCLOSURES**

CONTENTS	NO OF PAGES

## FIELD COORDINATE VALUES

STATION LONG NAME	MU25
4 CHAR ID	MU25
STATION NUMBER	MU25

THIS STATION IS NEW	YES
IDENTICAL / NEARLY IDENTICAL WITH	N/A

## FIELD VALUES FROM THE RECEIVER / HAND HELD GPS – IN WGS84

LATITUDE N	31° 21' 10.8"
LONGITUDE E	045° 17' 28.9"
HT (M)	-1
GRID ZONE DESIGNATOR	38R
UTM / MGRS GRID	38R NV 27713 68761
SURVEYING AGENCY	IGRS

FIELD INPUT BY: SPC CHAMBERS	UNIT: IGRS	DATE: 04 JULY 2005
FIELD CHECKED BY: SGT. O'NEAL	UNIT:IGRS	DATE: 04 JULY 2005

# OFFICE COORDINATE VALUES

## WGS 84 ADJUSTED VALUES AS AT: 25 Aug 05

LATITUDE N	31° 21' 10.90095''
LONGITUDE E	045° 17' 28.74620''
SPHEROIDAL HT (M)	2.780
EGM96 GEOID MODEL HT (M)	-7.772
ORTHOMETRIC HT (M)	10.552
VERTICAL DATUM	WGS 84
GEOID MODEL USED	EGM 96
RELATIVE TO	CORS STATIONS
RELATIVE POSITION ACCURACY (M)	0.125
RELATIVE HEIGHT ACCURACY (M)	0.014
ADJUSTING AGENCY	OPUS
ADJUSTMENT DATE	25 AUG 2005

## LOCAL DATUM VALUES AS AT: 17-Apr-04

SPHEROID	N/A
PROJECTION	N/A
GRID	N/A
VERTICAL DATUM	N/A
LATITUDE N / S	N/A
LONGITUDE E / W	N/A
EASTINGS (M)	N/A
NORTHINGS (M)	N/A
SPHEROIDAL HT (M)	N/A
ORTHOMETRIC HT (M)	N/A
GRID ZONE DESIGNATOR	N/A
TRANSFORMATION AGENCY	N/A
TRANSFORMATION DATE	N/A

GRAVITY VALUE: N/A	TYPE OF STN: N/A	REF: N/A
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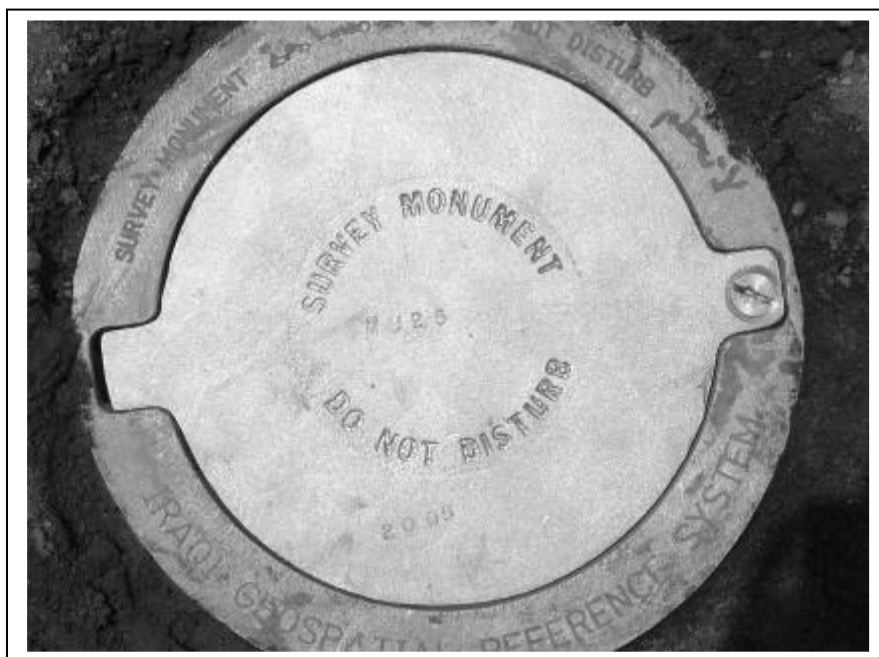
AIR PHOTO: N/A	REF: N/A	SCALE: N/A
IMAGERY: N/A	REF: N/A	SCALE: N/A

OFFICE INPUT BY: LCPL COWARD	UNIT: IGRS	DATE: 25 AUG 2005
OFFICE CHECKED BY: LCPL DICKEN	UNIT: IGRS	DATE: 25 AUG 2005

## STATION MONUMENT AND SITE DETAILS

STATION LONG NAME: MU25	
STATION NUMBER: MU25	4 CHAR ID: MU25
LOCATION: AS SAMAWAH	COUNTRY: IRAQ
STATION ADDRESS: N/A	
TEL: N/A	FAX: N/A
LAND OWNER ADDRESS: N/A	
TEL: N/A	FAX: N/A
TYPE OF MARK: HARN	
CONDITION: GOOD	
MARK SETTING: FINE MARK ON REBAR	NO OF REBARS: 9

### MONUMENT PHOTO / SKETCH



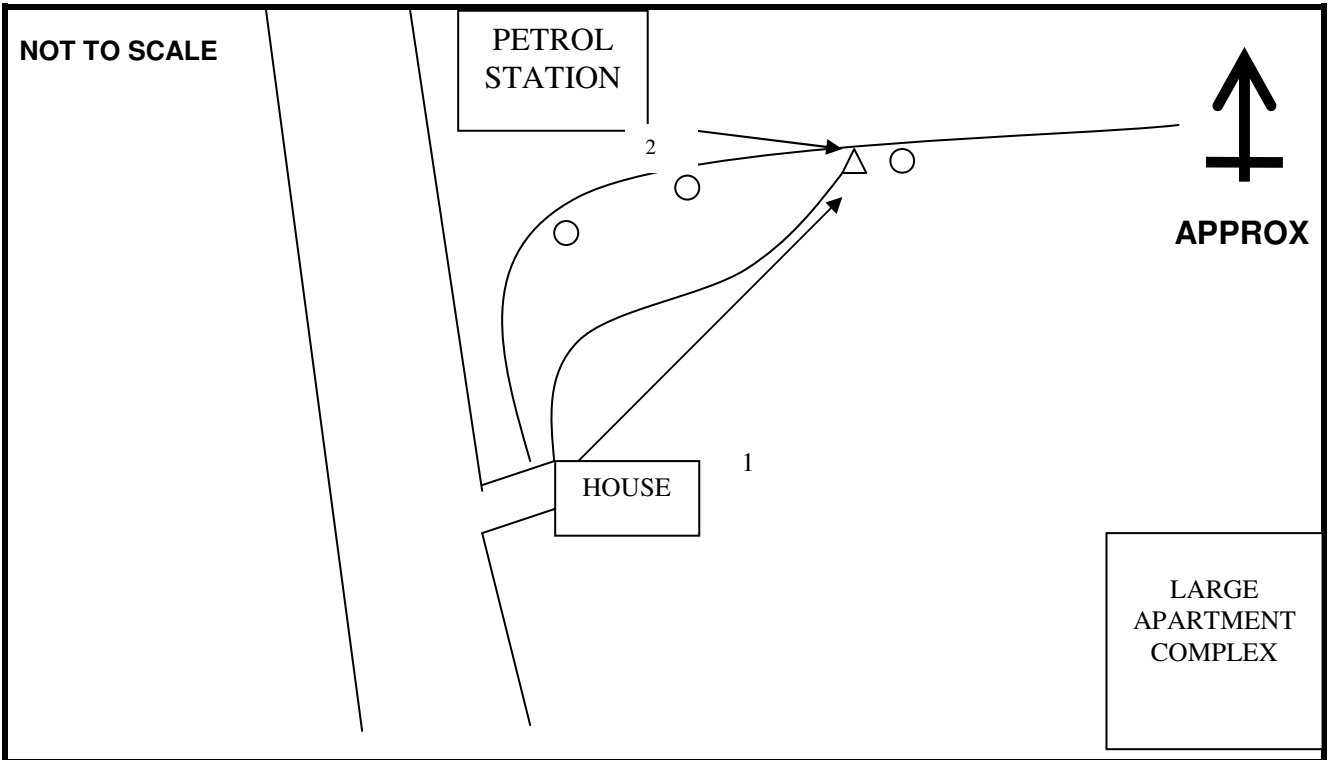
PREPARED BY: SPC CHAMBERS	UNIT: IGRS	DATE: 04 JULY 2005
CHECKED BY: SGT O'NEAL	UNIT: IGRS	DATE: 04 JULY 2005

# STATION DIAGRAM

STATION LONG NAME: MU25

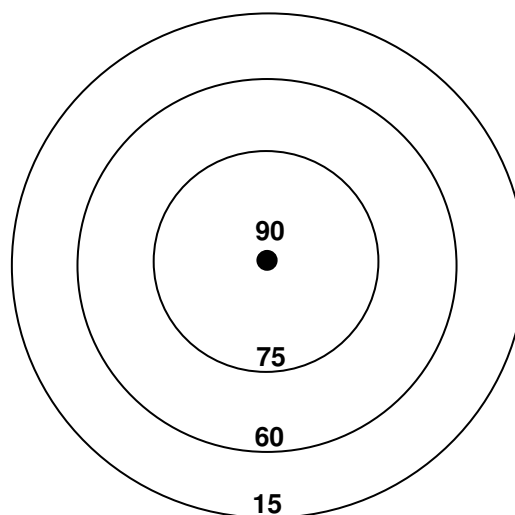
STATION NUMBER: MU25

4 CHAR ID: MU25



NO	DESCRIPTION	BRG/HORZ ANGLE	DISTANCE
1	NE CNR. OF HOUSE	39°	179m
2	SE CNR. OF PETROL STATION	126°	192m
3			
4			

## OBSCURITY DETAILS



PREPARED BY: SPC CHAMBERS	UNIT: IGRS	DATE: 04 JULY 2005
CHECKED BY: SGT O'NEAL	UNIT: IGRS	DATE: 04 JULY 2005

# ACCESS MAP

STATION LONG NAME: MU25

STATION NUMBER: MU25

4 CHAR ID: MU25

MAP DETAILS

SERIES: K643

SHEET: 5052

EDITION: 1-NIMA

SCALE: 1:100,000

GR: 38R NV 27713 68761



PREPARED BY: SPC CHAMBERS

UNIT: IGRS

DATE: 04 JULY 2005

CHECKED BY: SGT. O'NEAL

UNIT: IGRS

DATE: 04 JULY 2005

## ACCESS DESCRIPTION

<b>STATION LONG NAME: MU25</b>		
<b>STATION NUMBER: MU25</b>		<b>4 CHAR ID: MU25</b>

<b>MAP DETAILS</b>	<b>SERIES: K643</b>	<b>SHEET: 5052</b>
<b>EDITION: 1-NIMA</b>	<b>SCALE: 1:100,000</b>	<b>GR: 38R NV 27713 68761</b>

At grid 38R NV 3045 6004, travel west (turn left) onto main road.  
Travel on road west and then North into the city of As Samawah, travel 3km until crossing over Westminster Bridge at grid 38R NV 278645. Continue North for approximately 4.2km to secondary road (large driveway on the right-hand side (East) before Petrol station), intersection located at grid 38R NV27468 68593. From there, take dirt trail past house (on right-hand side) for approximately 180m to survey site located at grid 38R NV 27713 68761.

<b>PREPARED BY: SPC CHAMBERS</b>	<b>UNIT: IGRS</b>	<b>DATE: 04 JULY 2005</b>
<b>CHECKED BY: SGT. O'NEAL</b>	<b>UNIT: IGRS</b>	<b>DATE: 04 JULY 2005</b>

# APPROACH PHOTOGRAPHS

STATION LONG NAME: MU25	
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## NEAR APPROACH FACING WEST



## FAR APPROACH FACING WEST



TAKEN BY: SPC. CHAMBERS	DATE TAKEN: 04 JULY 2005
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**CARDINAL PHOTOGRAPHS**

STATION LONG NAME: MU25	
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**NORTH**



**SOUTH**



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# CARDINAL PHOTOGRAPHS

STATION LONG NAME: MU25	
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**EAST**



**WEST**



TAKEN BY: SPC. CHAMBERS	DATE TAKEN: 04 JULY 2005
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